




UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/881,740	06/18/2001	Yoshikazu Kanazawa	1460.1021	8759
21171	7590	06/28/2004	EXAMINER	
STAAS & HALSEY LLP SUITE 700 1201 NEW YORK AVENUE, N.W. WASHINGTON, DC 20005			HARPER, HOLLY R	
			ART UNIT	PAPER NUMBER
			2879	

DATE MAILED: 06/28/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	09/881,740	KANAZAWA ET AL.	
	Examiner	Art Unit	
	Holly R. Harper	2879	

-- **Th MAILING DATE of this communication appears on the cover sheet with th correspondence address --**
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 30 March 2004.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-7,9-18 and 20-28 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1-7,9-18,20-26 is/are allowed.
- 6) ☒ Claim(s) 27 and 28 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 18 June 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Response to Amendment

The Amendment, filed on 3/30/04, has been entered and acknowledged by the Examiner.

Claims 27-28 have been entered.

Claims 1, 3-6, 9, 11, 12, 14, 15, 20, 22, 25, and 26 have been amended.

Claims 8 and 19 have been canceled.

Claim Objections

1. Claim 27 is objected to because of the following informalities: The phrase “and a portion of an outline of the shielding parts being formed along a periphery of a portion showing a distribution of a discharge-generated light having the same luminescent intensity”. Appropriate correction is required.

For the purposes of examination, the above phrase is interpreted as meaning the shielding part is formed on the transparent electrode and lateral to the bus electrode. The shielding part extends into the discharge cell and blocks light having the same luminescent intensity, which can be the center or the edges of the cell.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

Art Unit: 2879

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 27-28 are rejected under 35 U.S.C. 102(b) as being anticipated by Nakahara et al. (USPN 6,531,819 B1).

In regard to claim 27, the Nakahara reference discloses a plasma display panel with a plurality of discharge electrodes (Figure 1, Elements X and Y) on the inner side of a front substrate (Figure 1, Element 100). There is an exterior main surface comprising a side of a display surface (Figure 1). Each of the discharge electrodes has a bus electrode (Figure 1, Element 103) connected to the transparent electrode (Figure 1, Elements X and Y) extending in a longitudinal direction, spaced in a lateral direction, and opposing portions of adjacent discharge electrodes (Figure 1). The shielding part (Figure 6, Element 4) formed on the transparent electrode (Figure 6, Element 2) and disposed laterally of the corresponding bus electrode shields incident light.

In regard to claim 28, the Nakahara reference discloses that the shielding (Figure 6, Element 4) parts are formed integrally with the bus electrodes (Figure 6, Element 3).

4. Claims 27-28 are rejected under 35 U.S.C. 102(e) as being anticipated by Ha et al. (USPN 6,255,779 B1).

In regard to claim 27, Ha discloses a plasma display panel with a plurality of discharge electrodes (Figure 1, Elements S and C) and arranged on an inner side of a front substrate (Figure 1, Element 1). Each of the discharge electrodes has a bus electrode (Figure 5a, Element 18) and

Art Unit: 2879

a transparent electrode (Figure 5a, Element 17). The bus electrode is connected to the transparent electrode (Figure 4). Each bus electrode has projections (shielding parts) disposed laterally of the bus electrode projecting into the discharge cell (Figure 4, Element 18). The bus electrode acts as a shield and shields incident light.

In regard to claim 28, the Ha reference discloses that the shielding parts are formed integrally with the bus electrodes (Figure 4, Element 18).

Allowable Subject Matter

5. Claims 1-7, 9-18, and 20-26 are allowed.

Regarding claims 1, 3, 12, 14, and 25, the references of the Prior Art of record fails to teach or suggest the combination of the limitations as set forth in claims 1, 3, 12, 14, and 25, and specifically comprising the limitation of a PDP with bus electrodes formed on transparent electrodes a shielding part formed on the transparent electrode but not on the bus electrode.

Regarding claims 2 and 7, claims 2 and 7 are allowable for the reasons given in claim 1 because of their dependency status from claim 1.

Regarding claim 23, claim 23 is allowable for the reasons given in claim 3 because of its dependency status from claim 3.

Regarding claims 13 and 18, claims 13 and 18 are allowable for the reasons given in claim 12 because of their dependency status from claim 12.

Regarding claims 16-17 and 24, claims 16-17 and 24 are allowable for the reasons given in claim 14 because of their dependency status from claim 14.

Art Unit: 2879

Regarding claims 4 and 15, the references of the Prior Art of record fails to teach or suggest the combination of the limitations as set forth in claims 4 and 15, and specifically comprising the limitation of a PDP with bus electrodes formed on transparent electrodes a shielding part formed on a projecting part of the transparent electrode and the connection thereof to the opposing parts.

Regarding claims 5-6, claims 5-6 are allowable for the reasons given in claim 4 because of their dependency status from claim 4.

Regarding claims 9 and 20, the references of the Prior Art of record fails to teach or suggest the combination of the limitations as set forth in claims 9 and 20, and specifically comprising the limitation of a PDP with bus electrodes formed on transparent electrodes a shielding part formed on a transparent electrode and have different areas depending on the luminescent colors of the cells.

Regarding claim 10, claim 10 is allowable for the reasons given in claim 9 because of its dependency status from claim 9.

Regarding claim 21, claim 21 is allowable for the reasons given in claim 20 because of its dependency status from claim 20.

Regarding claims 11 and 22, the references of the Prior Art of record fails to teach or suggest the combination of the limitations as set forth in claims 11 and 22, and specifically comprising the limitation of a PDP with bus electrodes formed on transparent electrodes a shielding part formed on a transparent electrode and the shielding part in the blue cell is smaller than the shielding parts in the other cells.

Art Unit: 2879

Regarding claim 26, the references of the Prior Art of record fails to teach or suggest the combination of the limitations as set forth in claim 26, and specifically comprising the limitation that the shielding parts are formed on the projecting, narrow parts of the transparent electrodes.

Conclusion

6. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Holly Harper whose telephone number is (571) 272-2453. The examiner can normally be reached on Monday-Friday from 8:30 AM to 5:00 PM.

Art Unit: 2879

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nimesh Patel, can be reached on (571) 272-2457. The fax phone number for the organization where this application or proceeding is assigned is (703) 308-7382.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.



Holly Harper
Patent Examiner
Art Unit 2879



NIMESHKUMAR D. PATEL
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2800